

Appendix O

Existing Renewable Energy Projects Within DRECP Plan Area

O EXISTING RENEWABLE ENERGY PROJECTS WITHIN PLAN AREA

Background. The list of projects included in this file was developed to help define the number and capacity of existing renewable energy projects in the Plan Area. These projects are considered part of the affected environment in the EIR/EIS Volume III. A map indicating the locations of these projects is presented as Figure III.1-2.

Existing projects include those that are either operational or under construction as of October 2013. Two tables are attached:

- Table O-1: Summary of Existing RE Projects (data summarized from Table O-2)
- Table O-2: Existing RE Projects (all projects)

Table O-1 below presents the acreage of existing renewable energy projects in the DRECP Plan Area. For informational purposes, 57% (50,337 acres) of the land affected by existing renewable energy projects are located in the Preferred Alternative DFAs, as defined in Volume II. This represents less than 2.5% of the DFA acreage for the Preferred Alternative.

Table O-1
Summary of Existing Renewable Energy (RE) Projects in the DRECP Plan Area

	Generation Capacity		Acreage			
	<i>Total MW</i>	<i>Percent of Total MW</i>	<i>Percent of Total Acres</i>	<i>Total Acres of RE Projects in the Plan Area</i>	<i>Total Acres of RE Projects in DFAs*</i>	<i>Percent of Total RE Project Acreage in DFAs*</i>
BLM-Administered Public Lands – Total	1,805	29%	28%	24,593	8,686	35%
Wind	615	34%	61%	15,028	2,592	11%
Solar	1,190	66%	39%	9,565	6,094	25%
Private Lands and Other Public Lands – Total	4,445	71%	72%	64,463	41,634	65%
Wind	2,015	45%	69%	44,643	23,222	36%
Solar	2,330	53%	31%	19,265	18,419	29%
Geothermal	100	2%	0.1%	545	545	0.1%
Total RE Projects	6,250	100%	100%	89,046	50,337	57%

*The DFA locations for the Preferred Alternative are used to define in this exercise. While the sizes and locations of DFAs vary among alternatives, this data provides an example of the locations of the existing renewable energy in comparison with the proposed DFAs. The total acres of DFAs in the Preferred Alternative is 2,027,693.

Table O-2
Existing Renewable Energy Projects (Operational or Under Construction)

Project ID # and Name		MW	Estimated Production (MWh)	Acres	Status UC: Under Construction OP: Operational	Technology	County	DRECP Land Designation
<i>Projects on BLM Administered Land</i>								
1	Ocotillo Express Wind	315	921,690	12,436	OP	Wind	Imperial	SAA
2	Alta East Wind	300	877,800	2,592	UC	Wind	Kern	DFA
3	Genesis NextEra	250	537,500	1,950	UC	Solar Trough	Riverside	DFA
4	Desert Sunlight Solar Farm	550	1,182,500	4,144	UC	Solar PV	Riverside	DFA
5	Ivanpah Solar Electric Generating System	390	838,500	3,471	UC/OP	Solar Power Tower	San Bernardino	CPA (surrounded by ACEC)
<i>Projects on Private and other Public Land</i>								
6	SunPeak Solar	23	49,450	123	OP	Solar PV	Imperial	DFA
7	Hudson Ranch I	49.9	257,434	305	OP	Geothermal	Imperial	DFA
8	ORNI 18	50	257,950	240	OP	Geothermal	Imperial	DFA
9	Centinela Solar	170	365,500	2,067	UC	Solar PV	Imperial	DFA
10	Imperial Solar Energy Center South* (C Solar South)	130	279,500	946	UC/OP	Solar PV	Imperial	DFA
11	Campo Verde Solar	139	298,850	1,990	UC	Solar PV	Imperial	DFA
12	Mount Signal Solar Farm	200	430,000	1,409	UC	Solar PV	Imperial	DFA
13	Solar Gen 2 (Arkansas, Alhambra, Sonora)	150	322,500	1,500	UC	Solar PV	Imperial	DFA

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Existing Renewable Energy Projects (Operational or Under Construction)

Project ID # and Name		MW	Estimated Production (MWh)	Acres	Status UC: Under Construction OP: Operational	Technology	County	DRECP Land Designation
14	Coram Ridge Wind Project	102	298,452	n/a	OP	Wind	Kern	DFA
15	Windstar (Aero Energy)	120	351,120	1,007	OP	Wind	Kern	DFA
16	Alta Wind (I-VI and VIII)	1020	2,984,520	13,785	OP	Wind	Kern	DFA (small portion outside of DFA)
17	Pine Tree Wind Farm	120	351,120	8,000	OP	Wind	Kern	FAA
18	Pacific Wind LLC	140	409,640	8,300	OP	Wind	Kern	DFA
19	Coram, Inc.	8	23,408	130	OP	Wind	Kern	DFA
20	Borrego Solar Farm (at Edwards Air Force Base)	3.4	7,310	n/a	OP	Solar PV	Kern	Military
21	Pine Tree Solar	8.5	18,275	34	OP	Solar PV	Kern	FAA
22	Pinyon Pines I (168 MW) and II (132 MW) formerly known as Alta Wind VII and IX)	300	877,800	included in acreage for Alta Wind (#16)	OP -	Wind	Kern	DFA
23	North Sky River Energy	163	476,938	12,781	UC	Wind	Kern	FAA
24	China Lake	13.78	29,627	118	OP	Solar PV	Kern	Military
25	Catalina Renewable Energy Project aka Solar	143	307,450	1,223	OP	Solar PV	Kern	DFA
26	RE Rio Grande	5	10,750	47	UC	Solar PV	Kern	DFA
27	Rosamond I	20	43,000	320	UC	Solar PV	Kern	DFA
28	Rosamond II	20	43,000	160	UC	Solar PV	Kern	DFA

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	Project ID # and Name	MW	Estimated Production (MWh)	Acres	Status UC: Under Construction OP: Operational	Technology	County	DRECP Land Designation
29	Jawbone Wind	39	114,114	640	UC	Wind	Kern	FAA
30	AVSP 1 (Solar Star California XIX)	579	1,244,850	3,200	UC	Solar PV	Kern and LA County	DFA
31	Adelanto Solar	10	21,500	42	OP	Solar PV	Los Angeles	DFA
32	Absolutely Solar (CUP 11-02)	3.4	7,310	20	OP	Solar PV	Los Angeles – Lancaster	DFA
33	Alpine Solar Project	66	141,900	835	OP - Feb 2013 (Note 2)	Solar PV	Los Angeles	DFA
34	TA High Desert – Solar PV	20	43,000	216	OP - July 2013	Solar PV	Los Angeles–Lancaster	DFA
35	Sunlight Partners (CUP 10-23)	1.5	3,225	20	UC	Solar PV	Los Angeles	DFA
36	Horn PV (CUP 12-11)	1.5	3,225	20	UC	Solar PV	Los Angeles	DFA
37	Solar Electric Solutions LLC (SPR5-10-2)	2	4,300	17	UC	Solar PV	Los Angeles	DFA
38	Del Sur Solar (CUP 10-22)	38	81,700	180	UC	Solar PV	Los Angeles	DFA
39	NextLight Antelope Valley (AV Solar Ranch) PV1	115	247,250	1,050	UC/OP	Solar PV	Los Angeles–Lancaster	DFA
40	NextLight Antelope Valley (AV Solar Ranch) PV2	115	247,250	1,050	UC	Solar PV	Los Angeles–Lancaster	DFA
41	FSE Blythe 1	21	45,150	200	OP	Solar PV	Riverside	DFA
42	SEPV2- Twentynine Palms Solar	2	4,300	20	OP	Solar PV	San Bernardino–29 Palms	SAA

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Project ID # and Name		MW	Estimated Production (MWh)	Acres	Status UC: Under Construction OP: Operational	Technology	County	DRECP Land Designation
43	SEPV8, LLC	12	25,800	100	OP	Solar PV	San Bernardino– 29 Palms	SAA
44	SEPV9, LLC	9	19,350	80	OP	Solar PV	San Bernardino– 29 Palms	SAA
45	Abengoa Mojave Solar	250	537,500	1,765	UC	Solar trough	San Bernardino	DFA
46	Cascade Solar	18.5	39,775	150	UC	Solar PV	San Bernardino	SAA
47	Sunlight Partners Apple Valley (Nunn)	1	2,150	10	UC	Solar PV	San Bernardino	DFA
48	Sunlight Partners El Mirage	2.5	5,375	26	UC	Solar PV	San Bernardino	CPA
49	Avalon Solar Development	2	4,300	18.5	UC	Solar PV	San Bernardino	DFA
50	Cemex Black Mountain Quarry Wind	1.5	4,389	n/a	OP	Wind	San Bernardino	DFA
51	Cemex Victorville Wind	1.6	4,682	n/a	OP	Wind	San Bernardino	DFA
52	NRG Solar Borrego I	26	55,900	308	OP	Solar PV	San Diego	SAA
53	Sol Orchard 1-4, 6-10, 12-17	8.5	18,275	n/a	Note 2	Solar PV	San Diego	SAA

Notes:

¹ The 835 acres would be sufficient for the Phase 2 26 MW additional.

² Location uncertain - throughout SDG&E territory (9 PPAs terminated per CPUC RPS Tracking table)

n/a = Data not available.

DFA = Development Focus Area

FAA = Future Assessment Areas

Military = DOD land

SAA = Special Analysis Areas

CPA = Conservation Planning Area)

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